

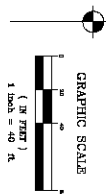
DOUG COURSE
HOLE NO. 3

BASIS OF BEARINGS

NOTE: ALL BEARINGS ARE THE WEST LINE OF THE ADJACENT QUARTER & SECTION CORNERS. THE BEARING OF THE WEST LINE OF THE ADJACENT QUARTER & SECTION CORNERS IS THE BEARING OF THE WEST LINE OF THE ADJACENT QUARTER & SECTION CORNERS. THE BEARING OF THE WEST LINE OF THE ADJACENT QUARTER & SECTION CORNERS IS THE BEARING OF THE WEST LINE OF THE ADJACENT QUARTER & SECTION CORNERS.

BENCHMARK

DISCUSSION: ALL DATA SET IN CONJUNCTION WITH THE INTERSECTION OF HUALAPAI ROAD AND 6 STREET. THE BENCHMARK IS A 1/4" DIA. IRON ROD SET IN CONJUNCTION WITH THE INTERSECTION OF HUALAPAI ROAD AND 6 STREET. THE BENCHMARK IS A 1/4" DIA. IRON ROD SET IN CONJUNCTION WITH THE INTERSECTION OF HUALAPAI ROAD AND 6 STREET.



NEW STREETLIGHT SERVICE PEDISTAL CIRCUIT 'A'

STREETLIGHT CIRCUIT 'A' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT LOOP ROAD	165 AMPS
SERVICE PEDISTAL CAPACITY	165 AMPS
MAXIMUM ALLOWABLE DRAW (LOAD) X 60 AMPS	165 AMPS
EXISTING CIRCUIT LOAD	37 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	7.0 AMPS
TOTAL PROPOSED LOAD	44.0 AMPS
EXISTING PLUS PROPOSED LOAD	44.0 AMPS
REMAINING AVAILABLE LOAD	121.0 AMPS

NEW STREETLIGHT SERVICE PEDISTAL CIRCUIT 'B'

STREETLIGHT CIRCUIT 'B' CAPACITY VERIFICATION

LOCATION: ENTRANCE AT LOOP ROAD	165 AMPS
SERVICE PEDISTAL CAPACITY	165 AMPS
MAXIMUM ALLOWABLE DRAW (LOAD) X 60 AMPS	165 AMPS
EXISTING CIRCUIT LOAD	37 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	7.0 AMPS
TOTAL PROPOSED LOAD	44.0 AMPS
EXISTING PLUS PROPOSED LOAD	44.0 AMPS
REMAINING AVAILABLE LOAD	121.0 AMPS

NEW STREETLIGHT SERVICE PEDISTAL CIRCUIT 'C'

STREETLIGHT CIRCUIT 'C' CAPACITY VERIFICATION

LOCATION: END OF H STREET AT WEST LOOP ROAD	175 AMPS
SERVICE PEDISTAL CAPACITY	175 AMPS
MAXIMUM ALLOWABLE DRAW (LOAD) X 60 AMPS	175 AMPS
EXISTING CIRCUIT LOAD	40 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	2.0 AMPS
TOTAL PROPOSED LOAD	42.0 AMPS
EXISTING PLUS PROPOSED LOAD	42.0 AMPS
REMAINING AVAILABLE LOAD	133.0 AMPS

NEW STREETLIGHT SERVICE PEDISTAL CIRCUIT 'D'

STREETLIGHT CIRCUIT 'D' CAPACITY VERIFICATION

LOCATION: END OF H STREET AT WEST LOOP ROAD	175 AMPS
SERVICE PEDISTAL CAPACITY	175 AMPS
MAXIMUM ALLOWABLE DRAW (LOAD) X 60 AMPS	175 AMPS
EXISTING CIRCUIT LOAD	40 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	2.0 AMPS
TOTAL PROPOSED LOAD	42.0 AMPS
EXISTING PLUS PROPOSED LOAD	42.0 AMPS
REMAINING AVAILABLE LOAD	133.0 AMPS

NEW STREETLIGHT SERVICE PEDISTAL CIRCUIT 'E'

STREETLIGHT CIRCUIT 'E' CAPACITY VERIFICATION

LOCATION: END OF H STREET AT WEST LOOP ROAD	175 AMPS
SERVICE PEDISTAL CAPACITY	175 AMPS
MAXIMUM ALLOWABLE DRAW (LOAD) X 60 AMPS	175 AMPS
EXISTING CIRCUIT LOAD	40 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	2.0 AMPS
TOTAL PROPOSED LOAD	42.0 AMPS
EXISTING PLUS PROPOSED LOAD	42.0 AMPS
REMAINING AVAILABLE LOAD	133.0 AMPS

NEW STREETLIGHT SERVICE PEDISTAL CIRCUIT 'F'

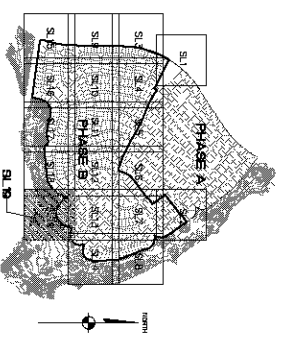
STREETLIGHT CIRCUIT 'F' CAPACITY VERIFICATION

LOCATION: END OF H STREET AT WEST LOOP ROAD	175 AMPS
SERVICE PEDISTAL CAPACITY	175 AMPS
MAXIMUM ALLOWABLE DRAW (LOAD) X 60 AMPS	175 AMPS
EXISTING CIRCUIT LOAD	40 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	2.0 AMPS
TOTAL PROPOSED LOAD	42.0 AMPS
EXISTING PLUS PROPOSED LOAD	42.0 AMPS
REMAINING AVAILABLE LOAD	133.0 AMPS

NEW STREETLIGHT SERVICE PEDISTAL CIRCUIT 'G'

STREETLIGHT CIRCUIT 'G' CAPACITY VERIFICATION

LOCATION: END OF H STREET AT WEST LOOP ROAD	175 AMPS
SERVICE PEDISTAL CAPACITY	175 AMPS
MAXIMUM ALLOWABLE DRAW (LOAD) X 60 AMPS	175 AMPS
EXISTING CIRCUIT LOAD	40 AMPS
PROPOSED LUMINAIRE LOAD TO CIRCUIT	2.0 AMPS
TOTAL PROPOSED LOAD	42.0 AMPS
EXISTING PLUS PROPOSED LOAD	42.0 AMPS
REMAINING AVAILABLE LOAD	133.0 AMPS



- LEGEND**
- 1 1/2" STREET LIGHT CIRCUIT
 - PROPOSED 100 W HPS LUMINAIRE
 - NO. 3-1/2" PUL. BOX
 - PROPOSED STREET SIGN
 - PROPOSED STOP SIGN W/ (D)
 - STREET NAME SIGN
 - PROPOSED BENCHMARK



- LIGHTING CONSTRUCTION NOTES**
- INSTALL 100 W HPS LUMINAIRE PER DET. NO. 314 ON SHEET DTS.
 - ON SHEET DTS. 1 1/2" STREET LIGHT CIRCUIT AND WIRE PER DET. NO. 501.
 - SHEET DTS. 1 1/2" STREET LIGHT CIRCUIT AND WIRE PER DET. NO. 501.
 - INSTALL NO. 3-1/2" PUL. BOX PER DET. NO. 326 ON SHEET DTS.
 - REMOVE COP AND CONNECT TO EXISTING SIGN.
- TRAFFIC CONSTRUCTION NOTES**
- INSTALL 8x4-2 7/8" CULVERT.
 - INSTALL TWO 10' LONG 8x4-2 7/8" CULVERT PER DETAIL THIS SHEET.
 - INSTALL 30' R-1-1 STOP SIGN W/ 12" 8" 03 STREET NAME SIGN.
 - INSTALL 30' R-1-1 STOP SIGN W/ 12" 8" 03 STREET NAME SIGN.
 - INSTALL NO. 120 AND WHITE STRIPED BARRICADE PER AASHTO STANDARD.
 - INSTALL NO. 120 AND WHITE STRIPED BARRICADE PER AASHTO STANDARD.
 - ALL SQUARE SHALL BE PER THE LATEST REVISED MANUAL.

DISCLAIMER NOTE

THESE PLANS AND SPECIFICATIONS ARE PREPARED BY STANLEY CONSULTANTS INC. FOR THE USE OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR THE ACCURACY OF THE DATA AND THE RESULTS OF THE FIELD SURVEY. STANLEY CONSULTANTS INC. DOES NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE DATA AND THE RESULTS OF THE FIELD SURVEY.

PRELIMINARY ISSUE FOR REVIEW
NOT FOR CONSTRUCTION 4-12-06

DATE 4-12-06
BY SH/DB
CHKD SH/DB
APP'D SH/DB
DATE 4-12-06
BY SH/DB
CHKD SH/DB
APP'D SH/DB